

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2005/000046

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G05B 13/02, G06F 17/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G05B, G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6006170 A (MARCANTONIO, A R ET AL), 21 December 1999 (21.12.1999), column 3, line 23 - line 45, claim 1 --	1-12
Y	US 4156920 A (WINOGRAD, S), 29 May 1979 (29.05.1979), column 4, line 8 - line 39, abstract --	1-12
Y	US 3634668 A (SHAFFER, H L), 11 January 1972 (11.01.1972), column 1, line 6 - column 2, line 51, abstract --	1-12

☒ Further documents are listed in the continuation of Box C.
 ☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

16 May 2005

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23 -05- 2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4715000 A (PREMERLANI, W J), 22 December 1987 (22.12.1987), column 3, line 5 - line 55, figures 1-2, abstract -- -----	1-12

Information on patent family members

01/04/2005

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US	6006170	A	21/12/1999	DE EP	69718714 D,T 0816860 A,B	06/11/2003 07/01/1998
US	4156920	A	29/05/1979	CA GB JP JP JP	1111561 A 1582939 A 1269940 C 54034643 A 59046032 B	27/10/1981 14/01/1981 25/06/1985 14/03/1979 09/11/1984
US	3634668	A	11/01/1972	NONE		
US	4715000	A	22/12/1987	NONE		